

Title (en)  
NOVEL PROTEASE GENE

Title (de)  
NEUARTIGE PROTEASE GENE

Title (fr)  
NOUVEAU GENE DE LA PROTEASE

Publication  
**EP 1312676 A4 20041124 (EN)**

Application  
**EP 01956995 A 20010821**

Priority  
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• JP 2000252503 A 20000823

Abstract (en)  
[origin: EP1312676A1] It is intended to provide a novel diagnostic means and pharmaceutical compositions by finding out and providing a novel neurolysin-like substance in humans, analyzing the function, localization, etc. of the novel neurolysin-like substance in humans, clarifying the role of this substance in vivo and thus controlling its function. A novel neurolysin-like substance having an activity of degrading a synthetic substrate Mcc-Pro-Leu-Gly-Pro-D-Lys(DNP)-OH is found out.

IPC 1-7  
**C12N 15/12**; A61K 35/76; A61K 38/00; A61K 39/395; A61K 45/00; C07K 16/40; C12N 9/64; C12Q 1/37

IPC 8 full level  
**C12N 9/64** (2006.01); **C12N 15/12** (2006.01); **G01N 33/68** (2006.01)

CPC (source: EP US)  
**C12N 9/6489** (2013.01 - EP US); **C12Y 304/24016** (2013.01 - EP US); **G01N 33/6896** (2013.01 - EP US)

Citation (search report)  
• [E] WO 0179509 A1 20011025 - LEXICON GENETICS INC [US] & DATABASE UNIPROT 1 May 1997 (1997-05-01), XP002297858, retrieved from EBI Database accession no. P79433 & DATABASE EMBL 11 November 1999 (1999-11-11), XP002297860, retrieved from EBI Database accession no. AB033052 & DATABASE EMBL 23 January 1997 (1997-01-23), XP002297859, retrieved from EBI Database accession no. SSAB174  
• [X] KATO A ET AL: "Targeting of endopeptidase 24.16 to different subcellular compartments by alternative promoter usage.", THE JOURNAL OF BIOLOGICAL CHEMISTRY. 13 JUN 1997, vol. 272, no. 24, 13 June 1997 (1997-06-13), pages 15313 - 15322, XP002297857, ISSN: 0021-9258  
• [X] NAGASE T ET AL: "PREDICTION OF THE CODING SEQUENCES OF UNIDENTIFIED HUMAN GENES. XV. THE COMPLETE SEQUENCES OF 100 NEW CDNA CLONES FROM BRAIN WHICH CODE FOR LARGE PROTEINS IN VITRO", DNA RESEARCH, UNIVERSAL ACADEMY PRESS, JP, vol. 6, 1999, pages 337 - 345, XP000865804, ISSN: 1340-2838  
• [X] VINCENT B ET AL: "PURIFICATION AND CHARACTERIZATION OF HUMAN ENDOPEPTIDASE 3.4.24.16.COMPARISON WITH THE PORCINE COUNTERPART INDICATES A UNIQUE CLEAVAGE SITE ON NEUROTENSIN", BRAIN RESEARCH, AMSTERDAM, NL, vol. 709, no. 1, 1996, pages 51 - 58, XP001010406, ISSN: 0006-8993  
• [X] SHRIMPTON C N ET AL: "Soluble neutral metallopeptidases: physiological regulators of peptide action.", JOURNAL OF PEPTIDE SCIENCE : AN OFFICIAL PUBLICATION OF THE EUROPEAN PEPTIDE SOCIETY. JUN 2000, vol. 6, no. 6, June 2000 (2000-06-01), pages 251 - 263, XP009037009, ISSN: 1075-2617  
• See references of WO 0216610A1

Citation (examination)  
• KRAUSE DR ET AL: "Characterization and Localization of Mitochondrial Oligopeptidase (MOP) (EC 3.4.24.16) Activity in the Human Cervical Adenocarcinoma Cell Line HeLa", JOURNAL OF CELLULAR BIOCHEMISTRY, vol. 66, 1997, pages 297 - 308  
• BARELLI H ET AL: "Potent inhibition of endopeptidase 24.16 and endopeptidase 24.15 by the phosphoramidate peptide N-(phenylethylphosphonyl)-Gly-L-Pro-L-aminohexanoic acid", BIOCHEM J, vol. 287, 1992, pages 621 - 625, XP000571638

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